CLAIMS

What is claimed is:

- 1. An aqueous solution comprising a therapeutically effective
- 5 concentration of prednisolone or a water-insoluble prodrug thereof and a watersoluble cyclodextrin derivative.
 - 2. The solution of claim 1 comprising a β -cyclodextrin derivative.
 - 3. The solution of claim 1 comprising a β -cyclodextrin derivative and a water-soluble polymer.
- The solution of claim 1 comprising prednisolone acetate,
 hydroxypropyl-β-cyclodextrin, and hydroxypropylmethylcellulose.
 - 5. The solution of claim 1 comprising a γ -cyclodextrin derivative.
 - 6. The solution of claim 5 comprising prednisolone acetate.
 - 7. The solution of claim 5 wherein said cyclodextrin derivate is
- 15 hydroxypropyl-γ-cyclodextrin.
 - 8. The solution of claim 5 which further comprises a cellulose derivative.
 - 9. The solution of claim 5 which further comprises hydroxypropylmethylcellulose having a concentration less than 1%.
 - 10. The solution of claim 5 comprising from 0.05% to 0.4%
- 20 hydroxypropylmethylcellulose.

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- 11. The solution of claim 5 comprising about from 0.1% to 0.25% hydroxypropylmethylcellulose.
- 12. The composition of claim 5 comprising from 0.6% to 1.6% prednisolone acetate, from 10% to 25% hydroxypropyl- γ -cyclodextrin, from 0% to 0.15%
- hydroxypropylmethylcellulose, a buffer, and a chelating agent, wherein said composition is isotonically adjusted for ophthalmic administration, and said composition has a pH of from 4.5 to 5.5.
 - 13. An aqueous liquid comprising a therapeutically effective concentration of prednisolone acetate and a water-soluble cyclodextrin derivative, wherein prednisolone acetate is dissolved in said liquid and wherein said liquid is suitable for ophthalmic administration.
 - 14. The liquid of claim 13 comprising a β -cyclodextrin derivative.

- 15. The liquid of claim 13 comprising hydroxypropyl- β -cyclodextrin and β -hydroxypropylmethylcellulose.
- 16. The liquid of claim 13 comprising a γ-cyclodextrin derivative.
- 17. The liquid of claim 13 wherein said cyclodextrin derivative has an osmolality of less than 300 mOsm/kg at a concentration of 12% w/v.
- 18. The liquid of claim 13 wherein said cyclodextrin derivative has an osmolality of less than 300 mOsm/kg at a concentration of 25% w/v.
- 19. The liquid of claim 16 wherein said cyclodextrin derivative is hydroxypropyl-γ-cyclodextrin.
- 10 20. The liquid of claim 16 comprising less than 1% hydroxypropylmethylcellulose.

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- 21. The liquid of claim 16 comprising about from 0.12% to 0.3% hydroxypropylmethylcellulose.
- 22. The liquid of claim 13 comprising from 0.6% to 1.6% prednisolone acetate, from 10% to 25% hydroxypropyl-γ-cyclodextrin, from 0% to 0.15% hydroxypropylmethylcellulose, a buffer, and a chelating agent, wherein said composition is isotonically adjusted for ophthalmic administration, and said composition has a pH of from 4.5 to 5.5.
 - 23. A pharmaceutical product comprising
- a solution comprising a therapeutically effective concentration of a nonionic prednisolone prodrug and a water-soluble cyclodextrin derivative, wherein said solution has an ophthalmically acceptable pH, and a container suitable for dispensing drops of said solution to the eye of a mammal in need of treatment by said prodrug.
- 25 24. The product of claim 23 comprising prednisolone acetate.
 - 25. The product of claim 23 comprising hydroxypropylmethylcellulose.
- 26. The liquid of claim 13 comprising about 1.2% prednisolone acetate, about 25% hydroxypropyl-γ-cyclodextrin, about 0.12% hydroxpropylmethylcellulose, an effective amount of a preservative, an
 30 effective amount of a chelating agent, and an effective amount of NaCl to make said liquid isotonic, and wherein the pH of said solution is about 4.8.

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- 27. The liquid of claim 13 comprising about 0.6% prednisolone acetate, about 15% hydroxypropyl-γ-cyclodextrin, about 0.12% hydroxpropylmethylcellulose, an effective amount of a preservative, an effective amount of a chelating agent, and an effective amount of NaCl to make said liquid isotonic, and wherein the pH of said solution is about 4.8.
 - 28. The liquid of claim 13 comprising about 0.6% prednisolone acetate, about 25% hydroxypropyl-γ-cyclodextrin, an effective amount of a preservative, an effective amount of a chelating agent, and an effective amount of NaCl to make said liquid isotonic, and wherein the pH of said solution is about 4.8.
- 29. The liquid of claim 13 comprising about 1% prednisolone acetate, about 25% hydroxypropyl-γ-cyclodextrin, an effective amount of a preservative, an effective amount of a chelating agent, and an effective amount of NaCl to make said liquid isotonic, and wherein the pH of said solution is about 4.8.
 - 30. The liquid of claim 13 comprising about 1% prednisolone acetate, about 25% hydroxypropyl-γ-cyclodextrin, about 0.12% hydroxpropylmethylcellulose, an effective amount of a preservative, an effective amount of a chelating agent, and an effective amount of NaCl to make said liquid isotonic, and wherein the pH of said solution is about 4.8.
- 31. The liquid of claim 13 comprising about 1.2% prednisolone acetate,
 20 about 30% hydroxypropyl-β-cyclodextrin, about 0.5%
 hydroxpropylmethylcellulose, an effective amount of a preservative, and an
 effective amount of NaCl to make said liquid isotonic, and wherein the pH of
 said solution is about 4.8.
- 32. The liquid of claim 13 comprising about 0.5% prednisolone acetate,
 about 10% of a cyclodextrin derivative, and about 0.5% hydroxypropylmethylcellulose.
 - 33. The solution of claim 1 wherein the concentration of the cyclodextrin or cyclodextrin derivative is greater than 10% and the concentration of prednisolone or the water-soluble prodrug thereof is greater than 0.5%.
- 30 34. The liquid of claim 13 wherein the concentration of the cyclodextrin derivative is greater than 10%.

- 35. The liquid of claim 13 wherein the concentration of prednisolone acetate is greater than 0.5%.
- 36. The liquid of claim 13 comprising about 0.4% prednisolone acetate, about 10% hydroxypropyl-β-cyclodextrin, and about 0.5%
- 5 hydroxypropylmethylcellulose.
 - 37. The liquid of claim 13 comprising
 from 0.1% to 1.5% prednisolone acetate,
 from 5% to 35% hydroxypropyl-β-cyclodextrin or hydroxypropyl-γ-cyclodextrin, and
- from 0% to 1% hydroxypropylmethylcellulose.
 - 38. A method comprising administering a solution comprising prednisolone acetate and a cyclodextrin derivative to a mammal suffering from a disease or condition affecting the eye of said mammal wherein said disease or condition is selected from the group consisting of maculopathies, retinal degeneration,
- uveitis, retinitis, choroiditis, vascular diseases, exudative diseases, conditions related to traumatic or surgery, proliferative disorders, infectious disorders, genetic disorders, retinal tears and/or holes, retinal tumor, punctate inner choroidopathy, acute posterior multifocal placoid pigment epitheliopathy, myopic retinal degeneration, and acute retinal pigment epithelitis.
- 20 39. A method comprising topically administering to an eye of a mammal prednisolone, a water-insoluble prodrug of prednisolone, or a combination thereof, and a cyclodextrin derivative,
- wherein prednisolone, or the water-insoluble prodrug, or a combination thereof, is delivered to the back of said eye of said mammal.
 - 40. The method of claim 39 wherein a solution comprising prednisolone acetate and hydroxpropyl-β-cyclodextrin is administered.
- The method of claim 39 wherein a solution comprising prednisolone
 acetate and hydroxypropyl-γ-cyclodextrin is administered.
 - 42. The solution of claim 39 which further comprises a cellulose derivative.

- 43. The solution of claim 39 which further comprises hydroxypropylmethylcellulose having a concentration less than 1%.
- 44. The solution of claim 39 comprising from 0.05% to 0.4% hydroxypropylmethylcellulose.
- 5 45. The solution of claim 39 comprising about from 0.1% to 0.25% hydroxypropylmethylcellulose.

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46. A composition comprising prednisolone or a water-insoluble prodrug thereof and a cyclodextrin derivative, wherein said composition is soluble in water in an amount such that the concentration of prednisolone or the water-insoluble prodrug thereof is therapeutically effective.